

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior listings, and all prior versions, of claims in the application.

LISTING OF CLAIMS:

1. – 6. (Cancelled).

7. (Currently Amended) Biological photometric equipment comprising:

a light irradiating unit for irradiating a trial subject with mixed light obtained by mixing light in a first wavelength range having a peak wavelength at a first wavelength and light in a second wavelength range having a peak wavelength at a wavelength longer than the first wavelength; and

a light receiving unit, adapted to be disposed on said trial subject, for detecting transmitted light irradiated from said light irradiating unit and propagating into the inside of said trial subject;

wherein a value of said first wavelength is in the range from 650 nm to 800 nm and a value of said second wavelength is in the range from 810 nm to 900 nm;

a unit for changing a ratio of irradiated light intensities for measuring biological information concerning density of a light-absorbing material or changes in the densities in said trial subject is measured based on transmitted signals detected by said light receiving unit;

maintaining a sum of intensity of the irradiated light in said first wavelength range at a region X on the trial subject irradiated with the light and intensity of the irradiated light in said second wavelength range is kept not higher than a prespecified value; and

~~said equipment further comprises a unit for changing a ratio of irradiated light intensities so that~~wherein said intensity of irradiated light in said first wavelength range at said region x is at least either in the range from 0.3 to 0.7 ~~time-times~~ or in the range from 1.3 to 19 times as compared to that of irradiated light in said, second wavelength range.

8. (Currently Amended) The biological photometric equipment according to ~~claim 1~~claim 7, wherein said equipment ~~further comprises a unit for changing a ratio~~the ratio of irradiated light intensities changes said ratio so that the intensity of irradiated light in said first wavelength range at said region X is at least either in the range from 0.3 to 0.7 ~~time-times~~ or in the range from 1.3 to 10 times as compared to that of irradiated light in said second wavelength range when a value of said first wavelength is in the range from 700 nm to 790 nm.

9. (Currently Amended) The biological photometric equipment according to ~~claim 1~~claim 7 further comprising:

a unit for calculating a measurement error included in the biological ~~information obtained from a measured living body;~~

a unit for calculating ~~a ratio~~the ratio of irradiated light intensities required for ~~setting a~~setting the measurement error included in information obtained from the measured living body; and

a unit for adjusting the irradiated light intensities based on a result of said ~~calculation~~calculations.

10. (Currently Amended) The biological photometric equipment according to ~~claim 4~~claim 7 further comprising:

a unit for switching the ratio of irradiated light intensities from time to time between ~~a and b~~"a" and "b", wherein ~~sign a~~"a" denotes a ratio of irradiated light in the first wavelength range against irradiated light in the second wavelength range at said region X substantially minimizing a measurement error included in a first information obtained from ~~a first the measured living body~~trial subject, and ~~sign b~~"b" denotes a ratio of irradiated light in the first wavelength range against irradiated light in the second wavelength range at said region X substantially minimizing a measurement error included in a second information obtained from ~~a second the measured living body~~trial subject.

11. (Currently Amended) The biological photometric equipment according to ~~claim 4~~claim 10, wherein the first information obtained from ~~said first living body~~the measured trial subject relates to density or changes in density of oxygenated hemoglobin, and the second information obtained from ~~said second living body~~the measured trial subject relates to density or changes in density of deoxygenated hemoglobin.

~~6-12.~~ (Currently Amended) The biological, photometric equipment according to ~~claim 4~~claim 7 further comprising an anchoring tool holding a plurality of said light irradiating units and said light receiving units and configured to be set on a head portion of ~~a trial~~the trial subject, wherein said anchoring tool has a plurality said

| plurality of holes provided thereon for setting therein optical fibers ~~for afor said~~
plurality of light irradiating units and a plurality of light receiving units alternately
provided in lattice form.